

Makita Power Planer

Suitable for efficient cutting of wood into the desired thickness, whilst creating perfectly parallel surfaces. Planes up to 82mm wide and 3.5mm deep in a single pass.

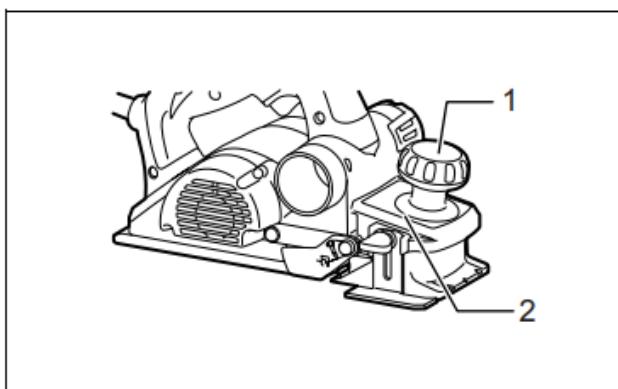
User Benefits

- ◆ Double insulation
- ◆ Planing to a fine finish
- ◆ Ergonomic rubberized grip for comfort



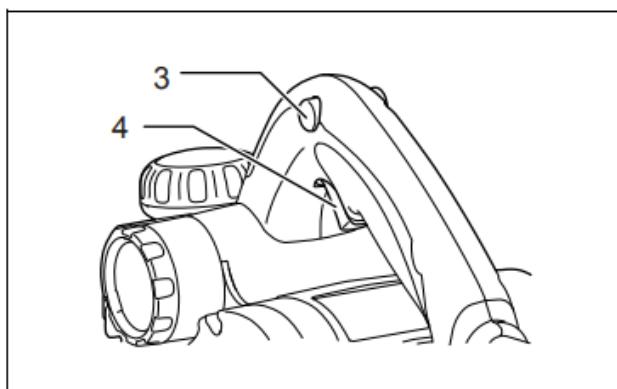
Machine Specifications

Planing Width	82 mm
Planing Depth	4 mm
Shiplapping Depth	25 mm
Voltage	110 V
No Load Speed	16,000
Overall Length	290 mm
Sound Pressure Level (LpA)	88 dB(A)
Sound Power Level (Lwa)	99 dB(A)
Vibration Emission	3.0 m/s ²
Net Weight	3.3 kg



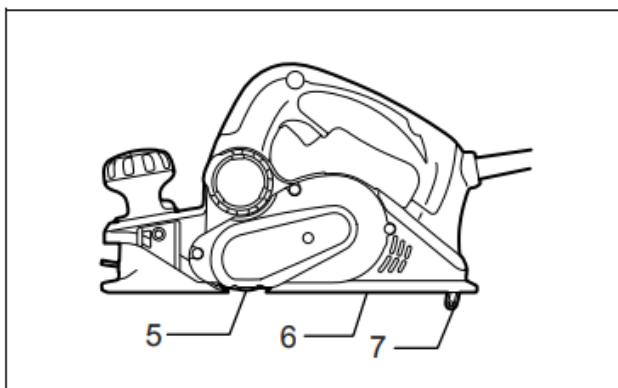
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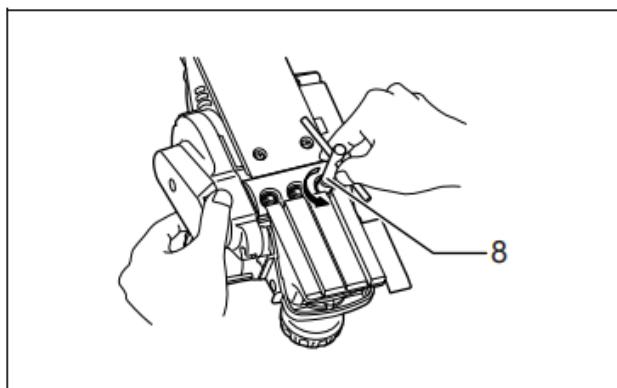
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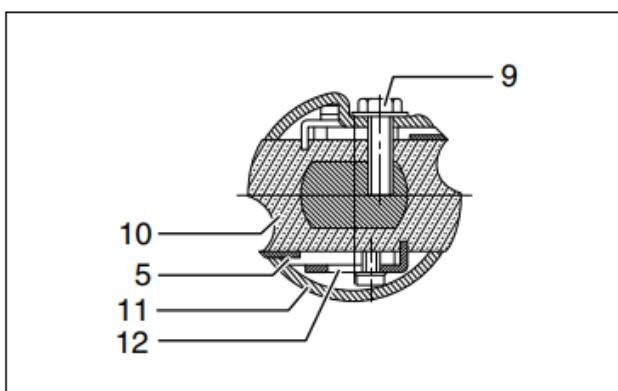
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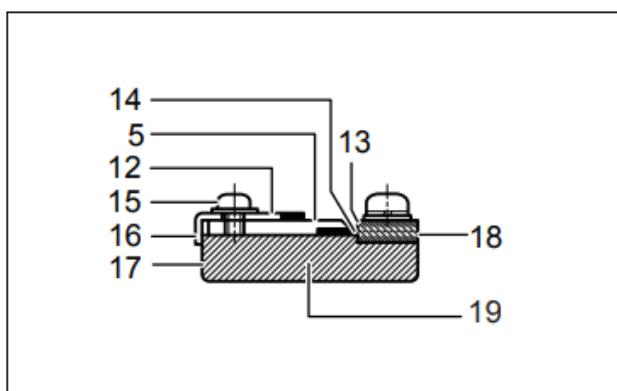
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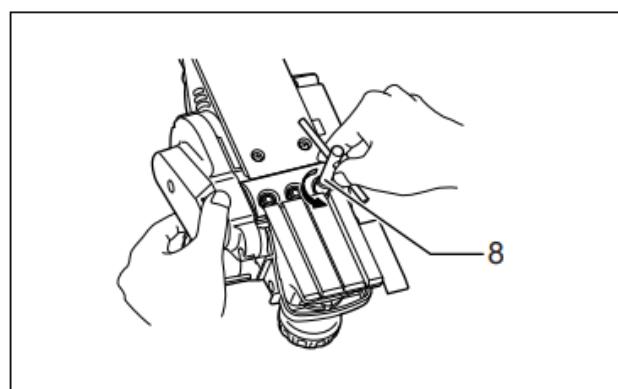
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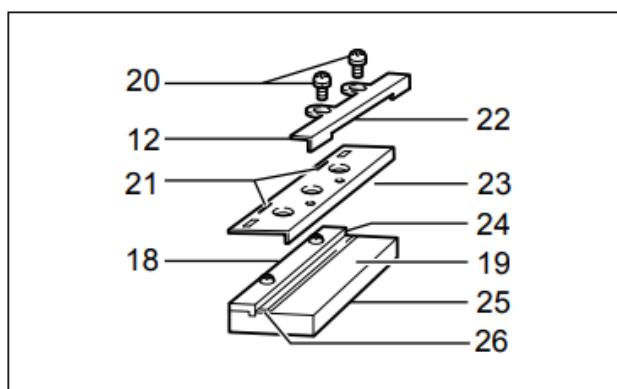
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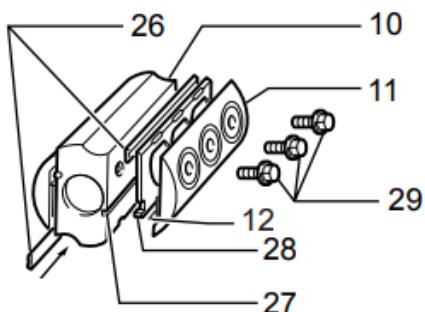
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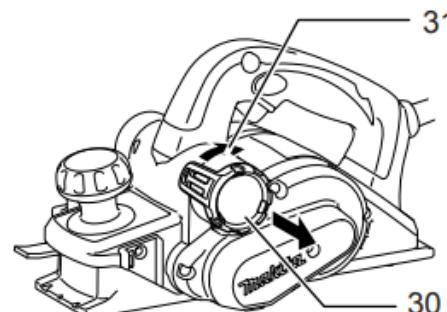
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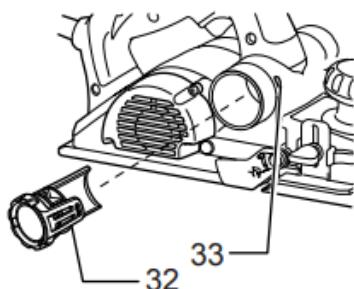
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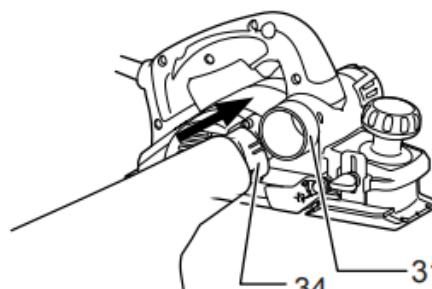
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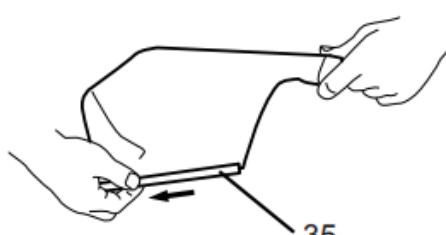
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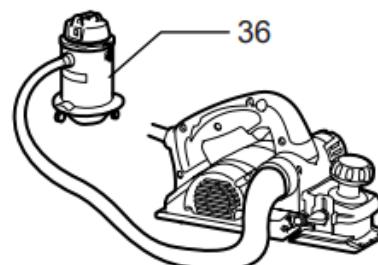
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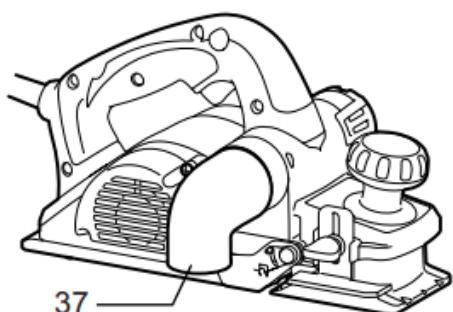
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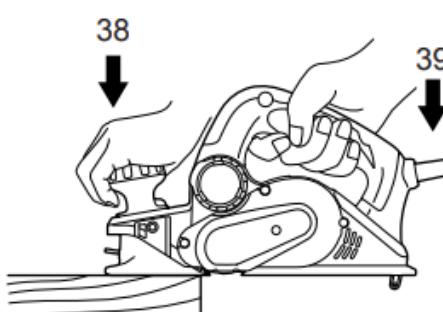
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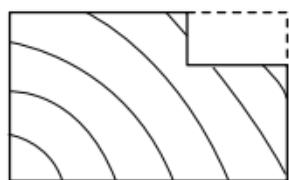
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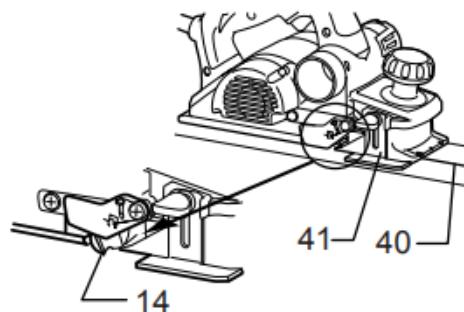


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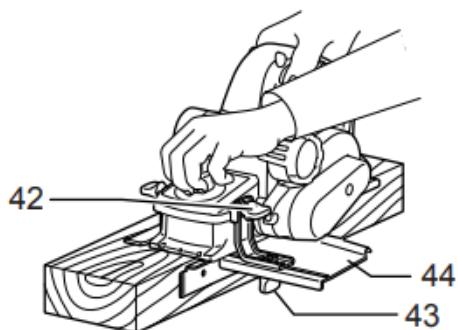
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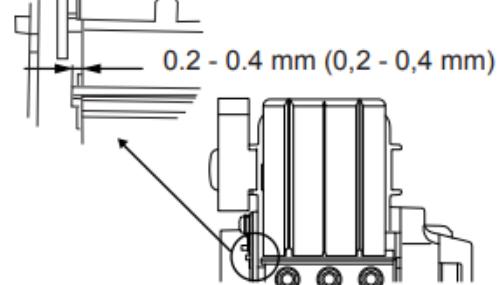
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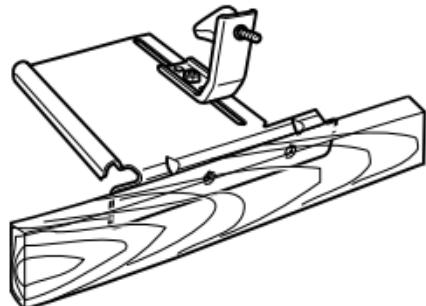
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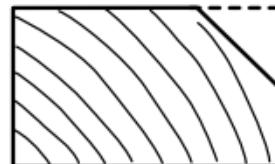
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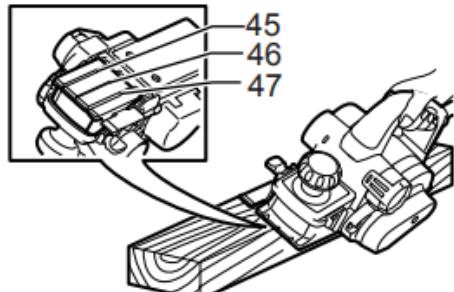
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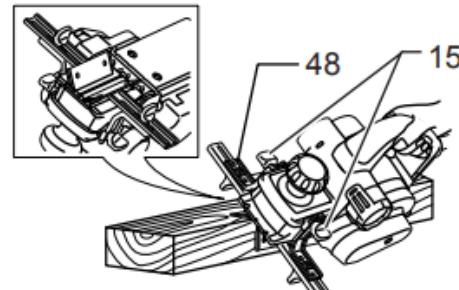
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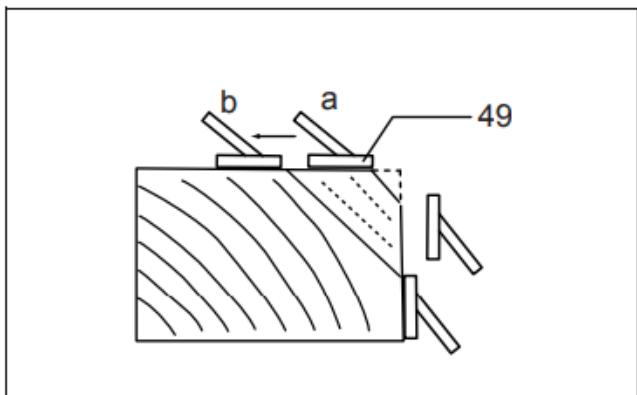
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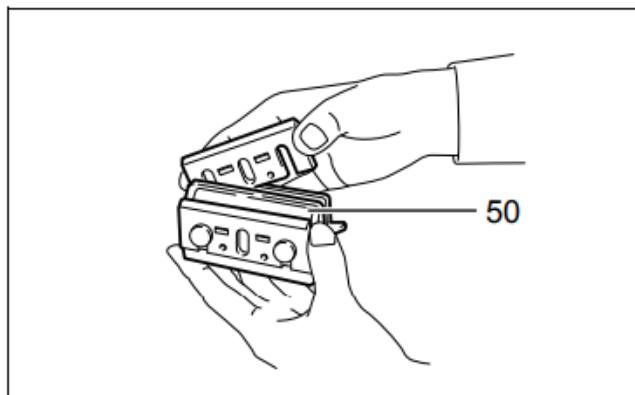

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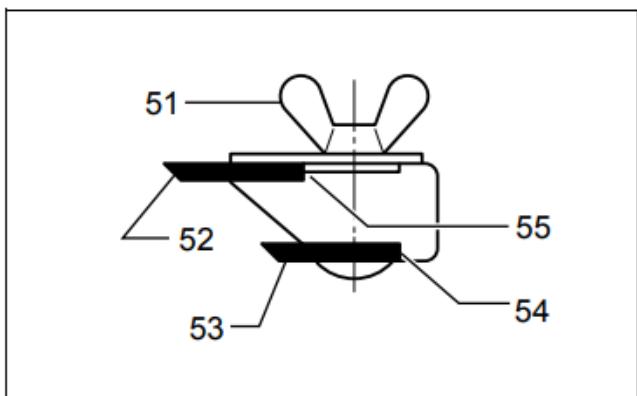
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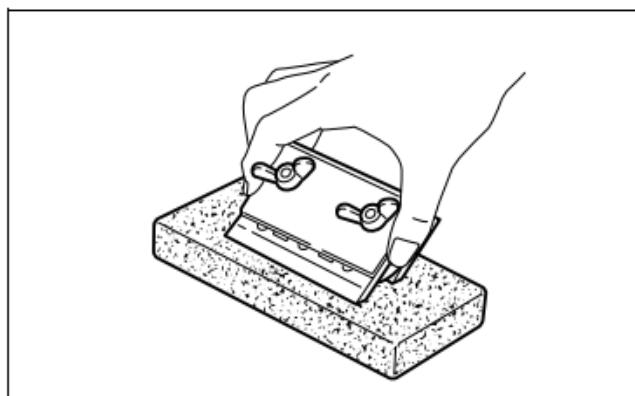
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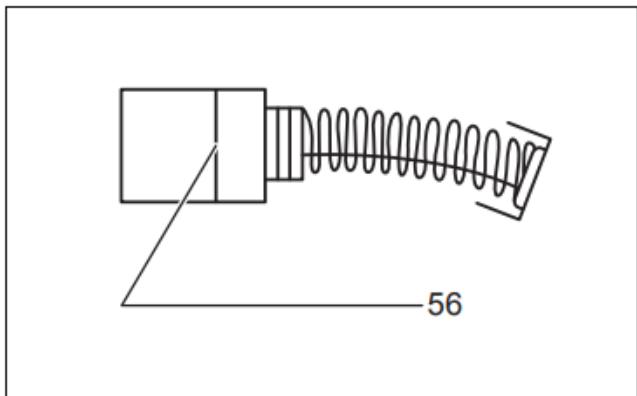
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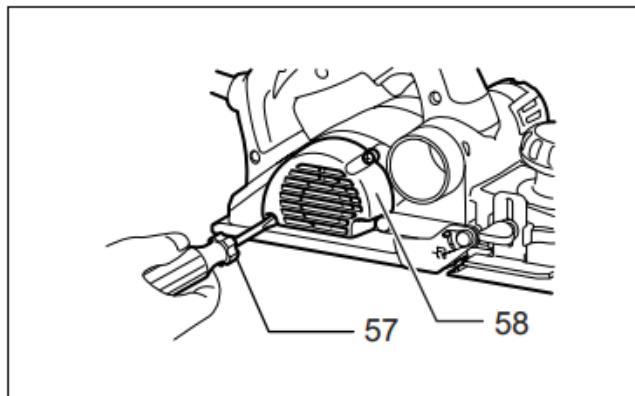
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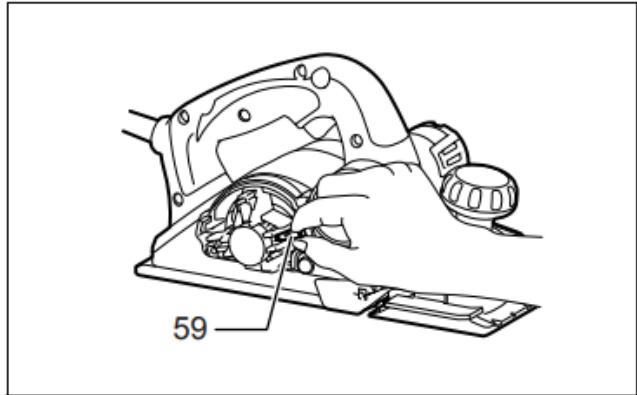
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ENGLISH (Original instructions)

<u>Explanation of general view</u>		
1. Knob	22. Heel of adjusting plate	43. Screw (B)
2. Pointer	23. Set plate	44. Edge fence
3. Lock button / Lock-off button	24. Inside flank of gauge plate	45. V groove (medium amount of chamfering)
4. Switch trigger	25. Back side of gauge base	46. V groove (small amount of chamfering)
5. Planer blade	26. Mini planer blade	47. V groove (great amount of chamfering)
6. Rear base	27. Groove	48. Chamfering rule
7. Foot	28. Set plate	49. Edge of chamfering rule
8. Socket wrench	29. Hex. flange head bolts	50. Sharpening holder
9. Bolts	30. Stopper	51. Wing nut
10. Drum	31. Chip discharge opening	52. Blade (A)
11. Drum cover	32. Recessed part	53. Blade (B)
12. Adjusting plate	33. Protrusion	54. Side (D)
13. Inside edge of gauge plate	34. Dust bag	55. Side (C)
14. Blade edge	35. Fastener	56. Limit mark
15. Screws	36. Vacuum cleaner	57. Screwdriver
16. Heel	37. Elbow	58. Rear cover
17. Back side of gauge base	38. Start	59. Carbon brushes
18. Gauge plate	39. End	
19. Gauge base	40. Cutting line	
20. Pan head screw	41. Depth guide	
21. Planer blade locating lugs	42. Screw (A)	

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

Intended use

The tool is intended for planing wood.

ENE001-1

GEB010-5

Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated and can, therefore, also be used from sockets without earth wire.

ENF002-2

General Power Tool Safety Warnings

GEA010-1

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and
instructions for future reference.**

PLANER SAFETY WARNINGS

GEB010-5

- Wait for the cutter to stop before setting the tool down.** An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury.
- Hold the power tool by insulated gripping surfaces only, because the cutter may contact its own cord.** Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- Rags, cloth, cord, string and the like should never be left around the work area.**
- Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.**
- Use only sharp blades. Handle the blades very carefully.**

7. Be sure the blade installation bolts are securely tightened before operation.
8. Hold the tool firmly with both hands.
9. Keep hands away from rotating parts.
10. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade.
11. Make sure the blade is not contacting the workpiece before the switch is turned on.
12. Wait until the blade attains full speed before cutting.
13. Always switch off and wait for the blades to come to a complete stop before any adjusting.
14. Never stick your finger into the chip chute. Chute may jam when cutting damp wood. Clean out chips with a stick.
15. Do not leave the tool running. Operate the tool only when hand-held.
16. Always change both blades or covers on the drum, otherwise the resulting imbalance will cause vibration and shorten tool life.
17. Use only Makita blades specified in this manual.
18. Always use the correct dust mask/respirator for the material and application you are working with.

SAVE THESE INSTRUCTIONS.

WARNING:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product.

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

FUNCTIONAL DESCRIPTION

CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Adjusting depth of cut (Fig. 1)

Depth of cut may be adjusted by simply turning the knob on the front of the tool so that the pointer points the desired depth of cut.

Switch action (Fig. 2)

CAUTION:

- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

For tool with lock button

To start the tool, simply pull the switch trigger. Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push in the lock button from either side.

To stop the tool from the locked position, pull the switch trigger fully, then release it.

For tool with lock-off button

To prevent the switch trigger from being accidentally pulled, a lock-off button is provided.

To start the tool, depress the lock-off button from either side and pull the switch trigger. Release the switch trigger to stop.

Electronic function

For Model KP0810C only

The tool equipped with electronic function are easy to operate because of the following features.

Constant speed control

Electronic speed control for obtaining constant speed. Possible to get fine finish, because the rotating speed is kept constant even under load condition.

Soft start

Soft-start feature minimizes start-up shock, and makes the tool start smoothly.

Foot (Fig. 3)

After a cutting operation, raise the back side of the tool and a foot comes under the level of the rear base. This prevents the tool blades to be damaged.

ASSEMBLY

CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Removing or installing planer blades

CAUTION:

- Tighten the blade installation bolts carefully when attaching the blades to the tool. A loose installation bolt can be dangerous. Always check to see they are tightened securely.
- Handle the blades very carefully. Use gloves or rags to protect your fingers or hands when removing or installing the blades.
- Use only the Makita wrench provided to remove or install the blades. Failure to do so may result in overtightening or insufficient tightening of the installation bolts. This could cause an injury.

For tool with standard planer blades (Fig. 4 - 6)

To remove the blades on the drum, unscrew the installation bolts with the socket wrench. The drum cover comes off together with the blades.

To install the blades, first clean out all chips or foreign matter adhering to the drum or blades. Use blades of the same dimensions and weight, or drum oscillation/vibration will result, causing poor planing action and, eventually, tool breakdown.

Place the blade on the gauge base so that the blade edge is perfectly flush with the inside edge of the gauge plate. Place the adjusting plate on the blade, then simply press in the heel of the adjusting plate flush with the back side of the gauge base and tighten two screws on the adjusting plate. Now slip the heel of the adjusting plate into the drum groove, then fit the drum cover on it.

Tighten all the installation bolts evenly and alternately with the socket wrench.

For tool with mini planer blades

1. Remove the existing blade, if the tool has been in use, carefully clean the drum surfaces and the drum cover. To remove the blades on the drum, unscrew the three

gap exists between the drum and the set plate to slide the mini planer blade into position. The blade will be positioned by the planer blade locating lugs on the set plate. (Fig. 9)

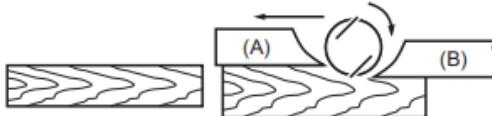
7. The blade's lengthwise adjustment will need to be manually positioned so that the blade ends are clear and equidistant from the housing on one side and the metal bracket on the other.
8. Tighten the three hex flange head bolts (with the socket wrench provided) and rotate the drum to check clearances between the blade ends and the tool body.
9. Check the three hex flange head bolts for final tightness.
10. Repeat procedures 1 - 9 for other blade.

For the correct planer blade setting

Your planing surface will end up rough and uneven, unless the blade is set properly and securely. The blade must be mounted so that the cutting edge is absolutely level, that is, parallel to the surface of the rear base. Refer to some examples below for proper and improper settings.

(A) Front base (Movable shoe)
 (B) Rear base (Stationary shoe)

Correct setting



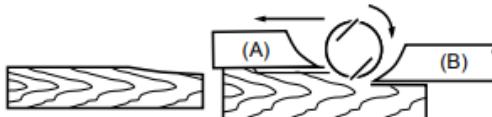
Although this side view cannot show it, the edges of the blades run perfectly parallel to the rear base surface.

Nicks in surface



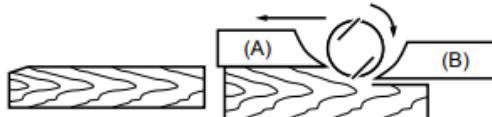
Cause: One or both blades fails to have edge parallel to rear base line.

Gouging at start



Cause: One or both blade edges fails to protrude enough in relation to rear base line.

Gouging at end



Cause: One or both blade edges protrudes too far in relation to rear base line.

EN0004-1

Change of chip discharge direction (Fig. 10)

Chip discharge direction can be changed to the right or left. To change the direction, pull out the stopper while turning it slightly backward and fit in it in one of two openings on the opposite side of chip discharge so that the recessed part fits to protrusion. (Fig. 11)

Dust bag (accessory) (Fig. 12)

Attach the dust bag onto the chip discharge opening. The chip discharge opening is tapered. When attaching the dust bag, push it onto the chip discharge opening firmly as far as it will go to prevent it from coming off during operation.

When the dust bag is about half full, remove the dust bag from the tool and pull the fastener out. Empty the dust bag

of its contents, tapping it lightly so as to remove particles adhering to the insides which might hamper further collection. (Fig. 13)

NOTE:

- If you connect a Makita vacuum cleaner to this tool, more efficient and cleaner operations can be performed.

Connecting a vacuum cleaner (Fig. 14)

When you wish to perform clean planing operation, connect a Makita vacuum cleaner to your tool. Then connect a hose of the vacuum cleaner to the chip discharge opening as shown in the figures.

Elbow (optional accessory) (Fig. 15)

Use of elbow allows change of chip discharge direction to perform cleaner work.

Install the elbow (optional accessory) on the tool by just slipping on it. To remove it, just pull it out.

OPERATION

Hold the tool firmly with one hand on the knob and the other hand on the switch handle when performing the tool.

Planing operation (Fig. 16)

First, rest the tool front base flat upon the workpiece surface without the blades making any contact. Switch on and wait until the blades attain full speed. Then move the tool gently forward. Apply pressure on the front of tool at the start of planing, and at the back at the end of planing. Planing will be easier if you incline the workpiece in stationary fashion, so that you can plane somewhat downhill.

The speed and depth of cut determine the kind of finish. The power planer keeps cutting at a speed that will not result in jamming by chips. For rough cutting, the depth of cut can be increased, while for a good finish you should reduce the depth of cut and advance the tool more slowly.

Shiplapping (Rabbeting) (Fig. 17)

To make a stepped cut as shown in the figure, use the edge fence (guide rule).

Adjust the shiplapping depth using a depth guide (accessory).

Draw a cutting line on the workpiece. Insert the edge fence into the hole in the front of the tool. Align the blade edge with the cutting line. (Fig. 18)

Install the edge fence on the tool and secure it with the washer and thumb screw (A). Loosen the thumb screw (B) and adjust the edge fence until it comes in contact with the side of the workpiece. Then tighten the thumb screw (B) securely. (Fig. 19)

When planing, move the tool with the edge fence flush with the side of the workpiece. Otherwise uneven planing may result.

CAUTION:

- The blade edge should be made to protrude outside slightly (0.2 mm - 0.4 mm) for shiplapping. (Fig. 20)

You may wish to add to the length of the fence by attaching an extra piece of wood. Convenient holes are provided in the fence for this purpose, and also for attaching an extension guide (optional accessory). (Fig. 21)

Chamfering (Fig. 22)

To make a chamfering cut as shown in the figure, align one of three "V" grooves in the front base with the edge of the workpiece and plane it. (Fig. 23)

Use of chamfering rule (optional accessory) assures more tool stability when shiplapping. (Fig. 24)

To install the chamfering rule, remove two screws on both sides of the front of the tool and set the depth of cut to 4 mm. And then install it on the front base of the tool and secure it the screws as shown in the figure.

When doing a great amount of chamfering, place an edge of chamfering rule so that it contacts workpiece and make many passes of planing as shown in the figure. (Fig. 25)

MAINTENANCE

CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Sharpening the planer blades

For standard blades only

Always keep your blades sharp for the best performance possible. Use the sharpening holder to remove nicks and produce a fine edge. (Fig. 26)

First, loosen the two wing nuts on the holder and insert the blades (A) and (B), so that they contact the sides (C) and (D). Then tighten the wing nuts. (Fig. 27)

Immerse the dressing stone in water for 2 or 3 minutes before sharpening. Hold the holder so that the both blades contact the dressing stone for simultaneous sharpening at the same angle. (Fig. 28)

Replacing carbon brushes (Fig. 29)

Remove and check the carbon brushes regularly.

Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders.

Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Use a screwdriver to remove the rear cover. (Fig. 30)

Take out the worn carbon brushes, insert the new ones and secure the rear cover. (Fig. 31)

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠ CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- High-speed steel Planer blade
- Tungsten-carbide Planer blade (For longer blade life)
- Mini planer blade
- Sharpening holder assembly
- Blade gauge
- Set plate set
- Edge fence (Guide rule)
- Dressing stone
- Dust bag assembly
- Elbow
- Socket wrench
- Chamfering rule assembly

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

Noise

The typical A-weighted noise level determined according to EN60745:

Model KP0810

Sound pressure level (L_{pA}): 88 dB (A)
 Sound power level (L_{WA}): 99 dB (A)
 Uncertainty (K): 3 dB (A)

Model KP0810C

Sound pressure level (L_{pA}): 82 dB (A)
 Sound power level (L_{WA}): 93 dB (A)
 Uncertainty (K): 3 dB (A)

Wear ear protection.

ENG905-1

The technical documentation is kept by our authorised representative in Europe who is:

Makita International Europe Ltd.
 Michigan Drive, Tongwell,
 Milton Keynes, Bucks MK15 8JD, England

30. 1. 2009



Tomoyasu Kato
 Director

Makita Corporation

3-11-8, Sumiyoshi-cho,
 Anjo, Aichi, 446-8502, JAPAN

Vibration

ENG900-1

The vibration total value (tri-axial vector sum) determined according to EN60745:

Model KP0810

Work mode: planing softwood
 Vibration emission (a_h): 3.0 m/s²
 Uncertainty (K): 1.5 m/s²

Model KP0810C

Work mode: planing softwood
 Vibration emission (a_h): 3.5 m/s²
 Uncertainty (K): 1.5 m/s²

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠ WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

For European countries only

ENH101-15

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:

Power Planer

Model No./ Type: KP0810, KP0810C

are of series production and

Conforms to the following European Directives:

2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN60745

